

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A fluidized bed boiler furnace comprising two hearths ~~(2,3)~~ separated by a divider ~~(4)~~ in the bottom portion of the furnace, and at least one panel ~~(6)~~ of heat exchange tubes, the furnace being characterized in that the panel of tubes is disposed vertically above said divider and perpendicularly to the longitudinal direction (A) of said hearths.
2. (Currently Amended) The furnace of claim 1, comprising a row of panels ~~(6)~~ of tubes spaced regularly from one another along said longitudinal direction.
3. (Currently Amended) The furnace of claim 1 ~~or claim 2~~, in which the tubes forming a panel ~~(6A)~~ extend the tubes forming the divider.
4. (Currently Amended) The furnace of claim 1 ~~to 3~~, comprising alternating panels ~~(6A)~~ whose tubes extend the tubes forming the divider, and panels ~~(6B)~~ whose tubes are connected to a manifold ~~(8)~~ disposed within the divider.

PRELIMINARY AMENDMENT

New National Stage Entry Appln. of PCT/FR03/00715

5. (Currently Amended) The furnace according to ~~any one of claims 1 to 4~~ claim 1, including a ceiling ~~(7)~~ to which each panel ~~(6, 6A, 6B)~~ of tubes is secured in such a manner that the panel of tubes can be put into traction between the divider and the ceiling of the furnace.